

Notice of Allowability

Application No.

10/066,472

Examiner

Vu B. Hang

Applicant(s)

LESLIE, SARA LYNN

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 04/06/2007.
2. ☒ The allowed claim(s) is/are 10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date See Continuation Sheet 03/12/2009
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 01/31/2007
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


TWYLER LAMB
SUPERVISORY PATENT EXAMINER

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 03/12/2004, 01/31/2002.

DETAILED ACTION

- This office action is responsive to the following communication: After-Final Amendment filed on 04/06/2007.
- Amendment for Claim 10 have been entered and made of record.
- Claims 1-9 and Claims 11-24 have been cancelled. Claim 10 is pending in the application.

Allowable Subject Matter

1. Claim 10 is allowed.
2. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to disclose, teach or suggest the claimed limitations of (in combination of with all other limitations), instructing the printer to handle related document data at a selected level of data compression or bit depth, and asking that all or some selected portion of a requested print-preview display be presented in thumbnail fashion. The closest prior art, cited Livingston (US Patent 6,614,454 B1), Chiarabini et al. (US Patent 5,963,216), and Martin et al. (US Patent 6,078,936), teaches a system for utilizing the printer controller in a printer for producing a true print-preview display in the setting of computer structure which is operatively associated both with a screen-display device, and with a printer having a printer controller that is operatively connected to the computer structure, the method comprising: sending a set of related document-printing instructions from the computer to the printer, in association with the sending, enabling user requesting from the printer of a print-preview display, and implementing the requesting via a path which enables user selection of selectable printing look and format options

relating to print aesthetic appearance, spatial and positional page-appearance relationships, and protocol, but fail to teach or suggest the claim limitations as cited above.

Specifically, the prior art of record fails to disclose, teach or suggest: A user method utilizing the printer controller in a printer for producing a true print-preview display in the setting of computer structure which is operatively associated both with a screen-display device, and with a printer having a printer controller that is operatively connected to the computer structure, the method comprising:

from a document application in a computer structure creating a document, and with reference to the created document, sending a set of related document-printing instructions from the computer to the printer,

in association with the sending, enabling user requesting from the printer of a print-preview display,

implementing the requesting via a path which enables user selection of selectable printing look and format options relating to print aesthetic appearance, spatial and positional page-appearance relationships, and protocol, wherein the enabled options are selectable from the list (a) asking for document rendition in a selected one of different color formats, in a grey-scale format, or in a bi-tonal format, (b) instructing the printer to handle related document data in a selected state of data compression and/or bit depth, (c) instructing the printer to handle related document data at a selected level of resolution, and (d) asking that all or some selected portion of a requested print-preview display be presented in thumbnail fashion,

enabling user selections of one or more of such options to be included in the print preview request in association with such sent instructions,

in the printer, on the basis of such sent instructions, generating, via operation of the printer's printer controller, a collection of document print-control data which the printer will directly use to print the created document, and in response to the print-preview display request, sending back to the computer structure a print-preview data stream based exactly upon the generated print-control data collection as affected by any such user-selected options, and

through cooperative interaction between the computer structure and the screen-display device, creating on the screen-display device from that sent back data stream a true-print preview display, which exactly shows what the printer will print from the associated, underlying print-control-data collection, with such display being affected by any such user-selected options", as claimed in **Claim 10**.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

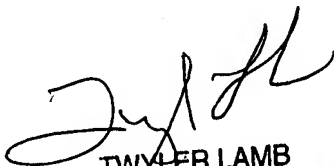
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vu B. Hang whose telephone number is (571) 272-0582. The examiner can normally be reached on Monday-Friday, 9:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler M. Lamb can be reached on (571) 272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Vu Hang
Assistant Examiner



TWYLLER LAMB
SUPERVISORY PATENT EXAMINER